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for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS 6 FEB 02 GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS 7 FEB 06 Patent sequence location (PSL) data added to USGENE
NEWS 8 FEB 10 COMPENDEX reloaded and enhanced
NEWS 9 FEB 11 WTEXTILES reloaded and enhanced
NEWS 10 FEB 19 New patent-examiner citations in 300,000 CA/CAPLUS
patent records provide insights into related prior
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discontinued in USPATFULL and USPAT2
NEWS 13 FEB 23 MEDLINE now offers more precise author group fields
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NEWS 14 FEB 23 TOXCENTER updates mirror those of MEDLINE - more
precise author group fields and 2009 MeSH terms
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STN patent clusters
NEWS 16 FEB 25 USGENE enhanced with patent family and legal status
display data from INPADOCDB
NEWS 17 MAR 06 INPADOCDB and INPAFAMDB enhanced with new display
formats
NEWS 18 MAR 11 EFFULL backfile enhanced with additional full-text
applications and grants
NEWS 19 MAR 11 ESBIOBASE reloaded and enhanced
NEWS 20 MAR 20 CAS databases on STN enhanced with new super role
for nanomaterial substances
NEWS 21 MAR 23 CA/CAPLUS enhanced with more than 250,000 patent
equivalents from China
NEWS 22 MAR 30 IMSPATENTS reloaded and enhanced
NEWS 23 APR 03 CAS coverage of exemplified prophetic substances
enhanced
NEWS 24 APR 07 STN is raising the limits on saved answers

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

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***** STN Columbus *****

FILE 'HOME' ENTERED AT 08:09:03 ON 14 APR 2009

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COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                      ENTRY      SESSION
FULL ESTIMATED COST                0.22          0.22
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FILE 'REGISTRY' ENTERED AT 08:09:14 ON 14 APR 2009
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=>
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FILE CONTENT:1840 - 11 Apr 2009 VOL 150 ISS 16

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=> s L1 SSS full

FULL SEARCH INITIATED 08:10:10 FILE 'CASREACT'

SCREENING COMPLETE - 1532 REACTIONS TO VERIFY FROM 110 DOCUMENTS

100.0% DONE 1532 VERIFIED 69 HIT RXNS 1 DOCS
SEARCH TIME: 00.00.03

L2 1 SEA SSS FUL L1 (69 REACTIONS)

=> d ibib abs fhit 1-

YOU HAVE REQUESTED DATA FROM 1 ANSWERS - CONTINUE? Y/(N):y

L2 ANSWER 1 OF 1 CASREACT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER:

142:336240 CASREACT Full-text

TITLE:

Preparation of heterocyclic-substituted indoles as inhibitors of GSK3β

INVENTOR(S):

Berg, Stefan; Hellberg, Sven

PATENT ASSIGNEE(S):

Astrazeneca Ab, Swed.

SOURCE:

PCT Int. Appl., 120 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005027823	A2	20050331	WO 2004-SE1363	20040921
WO 2005027823	A3	20050602		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2004273771 A1 20050331 AU 2004-273771 20040921

AU 2004273771 B2 20081106

CA 2538381 A1 20050331 CA 2004-2538381 20040921

EP 1667990 A2 20060614 EP 2004-775465 20040921

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, HR

BR 2004014632 A 20061107 BR 2004-14632 20040921

CN 1886397 A 20061227 CN 2004-80034700 20040921

JP 2007506734 T 20070322 JP 2006-527944 20040921

IN 2006DN01198 A 20070803 IN 2006-DN1198 20060307

US 20080275041 A1 20081106 US 2006-572778 20060321

MX 2006003195 A 20060623 MX 2006-3195 20060322

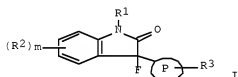
PRIORITY APPLN. INFO.: SE 2003-2546 20030924

AU 2003-216026 20030328

WO 2004-SE1363 20040921

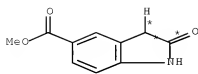
OTHER SOURCE(S): MARPAT 142:336240

GI

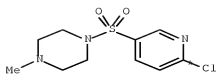


AB Title compds. I [P - 5-6-membered heteroarom. ring; R1 = H; R2 = alkyl, CN, halo, etc.; R3 = alkyl, CN, NO2, carboxy, etc.; m, n = 0-4] and derivs. are prepared For instance, 2-Hydroxy-3-[5-[(4-methylpiperazin-1-yl)carbonyl]pyridin-2-yl]-1H-indole-6-carbonitrile is prepared by the reaction of 2-oxoindoline-6-carbonitrile and 1-[(6-chloro-1-oxidopyridin-3-yl)carbonyl]-4-methylpiperazine (preparation given). Ki of selected compds. of the invention was 20 μ M for GSK3 β . I are useful for the treatment of, e.g., Alzheimer's Disease.

RX(49) OF 334 DS + DX ==> DX

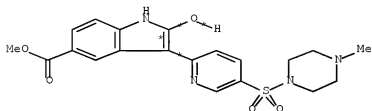


DS



DX

(49)



● HCl

DY
YIELD 59%

RX(49) RCT DS 199328-10-4, DX 64614-53-5

RGT DQ 7646-69-7 NaH

PRO DY 648472-46-0

SOL 68-12-2 DMF

CON SUBSTAGE(1) 20 minutes, room temperature

SUBSTAGE(2) 1.5 hours, 110 deg C

SUBSTAGE(3) 110 deg C -> room temperature

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

STN INTERNATIONAL LOGOFF AT 08:10:58 ON 14 APR 2009